



86957

## Declaration, Power of Attorney and Petition

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### A QUANTUM COMMUNICATION SYSTEM

the specification of which

is attached hereto.

was filed on January 16, 2004 as  
Application Serial No. 10/758457  
and amended on \_\_\_\_\_.

was filed as PCT international application  
Number \_\_\_\_\_  
on \_\_\_\_\_,  
and was amended under PCT Article 19  
on \_\_\_\_\_ (if applicable).

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Day/Month/Year	Priority Claimed
<u>0301041.0</u>	<u>United Kingdom</u>	<u>16 / January / 2003</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

86957

We (I) hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or under §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status (pending, patented, abandoned)

And we (I) hereby appoint the following registered practitioner(s):

Customer Number

22850

as our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to

Customer Number

22850

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Zhiliang YUAN  
NAME OF FIRST OR SOLE INVENTOR

X  
Signature of Inventor

X 3 - 2 - 2004

Date

Residence: c/o Toshiba Research Europe Limited,

Cambridge Research Laboratory, 260 Cambridge

Science Park, Milton Road, Cambridge,

Cambridgeshire CB4 0WE United Kingdom

Citizen of: X P R China

Mailing Address: c/o Toshiba Research Europe

Limited, Cambridge Research Laboratory, 260

Cambridge Science Park, Milton Road, Cambridge,

Cambridgeshire CB4 0WE United Kingdom

86957

Andrew J. SHIELDS

NAME OF SECOND JOINT INVENTOR

x Andrew Shields

Signature of Inventor

x 2/2/4

Date

Residence: c/o Toshiba Research Europe Limited,

Cambridge Research Laboratory, 260 Cambridge

Science Park, Milton Road, Cambridge,

Cambridgeshire CB4 0WE United Kingdom

Citizen of: Great Britain

Mailing Address: c/o Toshiba Research Europe

Limited, Cambridge Research Laboratory, 260

Cambridge Science Park, Milton Road, Cambridge,

Cambridgeshire CB4 0WE United Kingdom